(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



A MARIN KANANDAR AR KANAN BARKAR ARKAR ARKAR BARKAR BARKAR BARKAR BARKAR BARKAR ARKAR ARKAR BARKAR BARKAR BARK

(43) International Publication Date 24 December 2003 (24.12.2003)

PCT

(10) International Publication Number WO 03/106366 A1

C04B 16/02 (51) International Patent Classification7:

(21) International Application Number: PCT/US03/09694

(22) International Filing Date: 28 March 2003 (28.03.2003)

English (25) Filing Language:

English (26) Publication Language:

(30) Priority Data: 12 June 2002 (12.06.2002) 60/388,416

(71) Applicant (for all designated States except US): DOW GLOBAL TECHNOLOGIES INC. [US/US]; Washington Street, 1790 Building, Midland, MI 48674 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): PARTAIN, Emmett, M., III [US/US]; 267 Park Avenue, Bound Brook, NJ 08805 (US). STORME, Pol, C., A. [BE/BE]; François Van Impelaan, 38, B-9041 Gent (BE).

(74) Agent: WARREN, Jennifer, S.; The Dow Chemical Company, Intellectual Property, P.O. Box 1967, Midland, Michigan 48641-1967 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CEMENTITIOUS COMPOSITION

(57) Abstract: The curing time of cementitious cellulose ether comprising-compositions can be controlled by incorporation into the composition i) a cationically-modified or a secondary or tertiary amino-modified cellulose ether or ii) a cellulose ether comprising a hydroxyethoxyl substituent alone or in combination with one or more other substituents bound to oxygen, wherein the ethylene oxide molar substitution $MS_{hydroxyethoxyl}$ is either from 2.2 to 3.2 and the percentage of unsubstituted anhydroglucose units is up to 8.5 percent or the ethylene oxide molar substitution MS_{hydroxyethoxyl} is less than 2.2 and the percentage of unsubstituted anhydroglucose units is up to 12 percent.